

GRAND INVESTMENT

BENEFITS AND IMPACTS COMPARISON

The table below compares the benefits and impacts of the Grand Investment alternatives. This comparison will assist in facilitating a discussion about each Grand Investment and the potential benefits and trade-offs associated with each alternative.

There are opportunities to combine alternatives. The footprint of the escalator concept would allow for future implementation of either a pedestrian bridge or a gondola within and adjacent to the access easement. In this case, the escalator would be a lower-cost initial improvement that is then enhanced with later implementation of a bridge or gondola if funding becomes available.

	Max Capacity (ppl/hr)	Installation Cost (\$M)	Visual Impacts	User Benefits	Seasonal Functionality	Sustainability	Maintenance Cost
Alternative 1 Staircase	4,500	\$1.2 - \$5	Minimal Staircase will only be visible adjacent to the base. 5	Moderate-Low Will benefit some users directly at the Base - does not reduce conflicts with vehicles. 2	Moderate-High May be covered, but does not reduce exposure to the elements. 4	High No fossil fuels required. 5	Affordable No significant annual maintenance needs. 5
Alternative 2 Escalators	6,000	\$1.6 - \$5	Minimal Escalators will only be visible adjacent to base. 5	Moderate Will benefit users directly at base - does not reduce conflicts with vehicles. 3	Moderate-High May be covered, but does not reduce exposure to the elements. 4	Moderate-High Will require ongoing energy costs, but not staffing costs. 4	Moderate Energy and maintenance costs will be ongoing. 3
Alternative 3 Pulse Gondola	500	\$5 - \$7	Significant Gondola will be visible from entire area. 1	High Provides direct link between two major nodes. Appeals to drivers who find walking hard. 5	High Year round comfort and functionality. 5	Moderate Will require energy and staff costs to operate. 3	Moderate-High Staff and energy costs. 2
Alternative 4 Pedestrian Bridge	42,000	Timber: \$12 - \$22 Steel: \$18 - \$34 Concrete: \$12 - \$20	Significant A bridge across Brush Creek would be visible from the entire area. 1	High This more direct route would also be free of any conflicts with traffic. 5	Moderate-High Snow clearing or a covered section of bridge would be needed to maintain functionality in winter. 4	High No fossil fuels required. 5	Affordable No significant annual maintenance needs. 5

